

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073021\
 Data File : BF124881.D
 Acq On : 30 Jul 2021 17:52
 Operator : JU/CG
 Sample : M3238-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 221

Quant Time: Jul 31 00:07:01 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 22 15:28:57 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

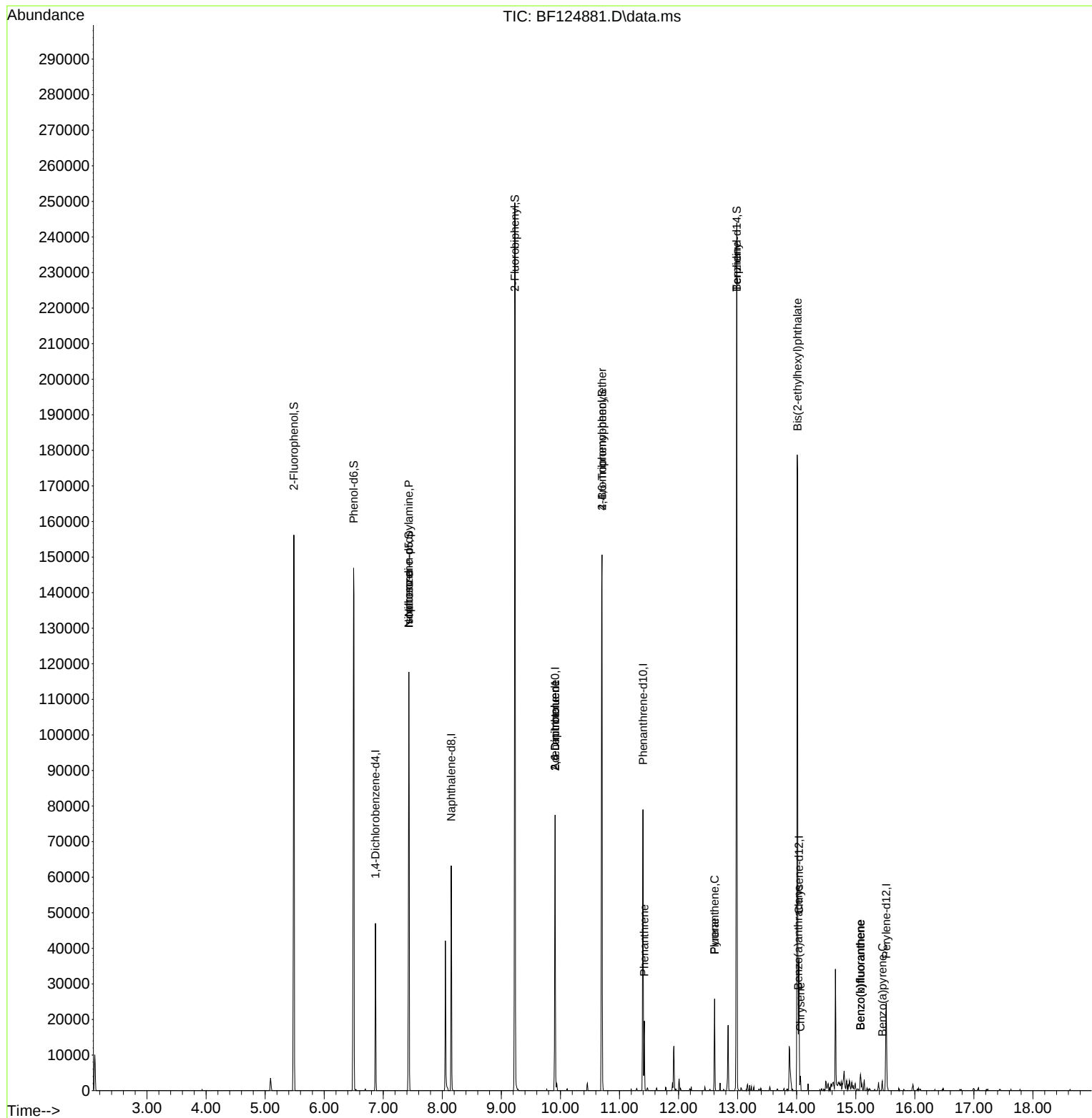
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	6425	20.00	ng	0.00
21) Naphthalene-d8	8.151	136	25915	20.00	ng	# 0.00
39) Acenaphthene-d10	9.910	164	15855	20.00	ng	0.00
64) Phenanthrene-d10	11.398	188	28347	20.00	ng	0.00
76) Chrysene-d12	14.039	240	14759	20.00	ng	# 0.00
86) Perylene-d12	15.515	264	12928	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	42047	110.81	ng	0.00
7) Phenol-d6	6.498	99	53247	111.93	ng	0.00
23) Nitrobenzene-d5	7.434	82	36801	84.52	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	16450	120.84	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	79347	73.50	ng	0.00
79) Terphenyl-d14	12.986	244	81670	94.85	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	4770	18.78	ng	# 63
25) Isophorone	7.434	82	36800	47.80	ng	# 59
51) 2,6-Dinitrotoluene	9.910	165	1938	8.04	ng	# 26
57) 2,4-Dinitrotoluene	9.910	165	1938	5.92	ng	# 18
67) 4-Bromophenyl-phenylether	10.704	248	1228	4.08	ng	# 1
71) Phenanthrene	11.421	178	7590	4.98	ng	# 94
75) Fluoranthene	12.610	202	10516	6.76	ng	98
77) Benzidine	12.986	184	1153	2.77	ng	# 69
78) Pyrene	12.610	202	10516	9.00	ng	100
81) Benzo(a)anthracene	14.027	228	2728	2.83	ng	99
83) Chrysene	14.062	228	2856	3.07	ng	97
84) Bis(2-ethylhexyl)phtha...	14.015	149	51872	62.93	ng	# 99
88) Benzo(b)fluoranthene	15.080	252	4121	4.53	ng	# 87
89) Benzo(k)fluoranthene	15.080	252	4121	4.95	ng	# 89
90) Benzo(a)pyrene	15.451	252	1844	2.43	ng	# 86

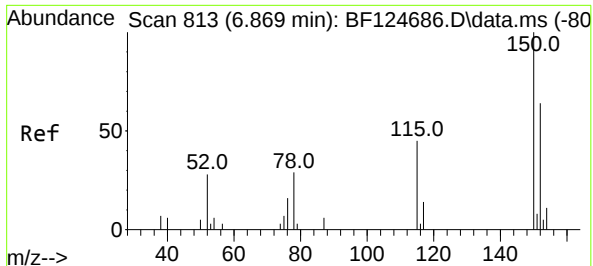
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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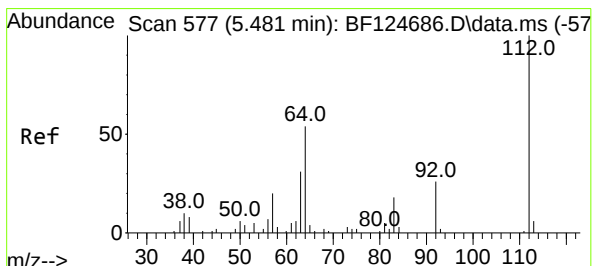
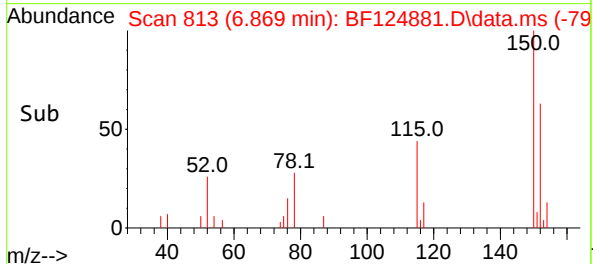
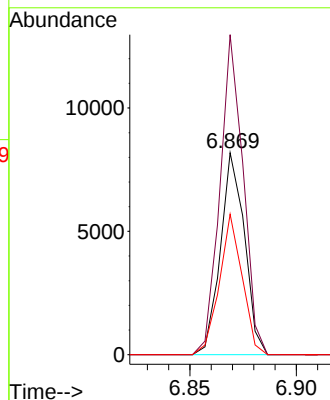
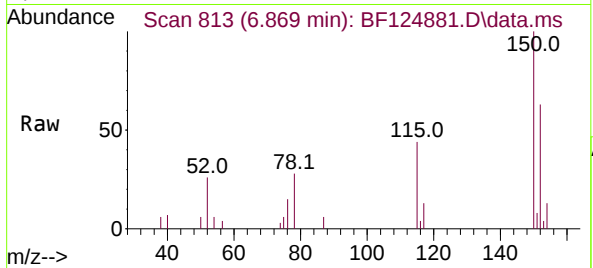




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.000 min
Lab File: BF124881.D
Acq: 30 Jul 2021 17:52

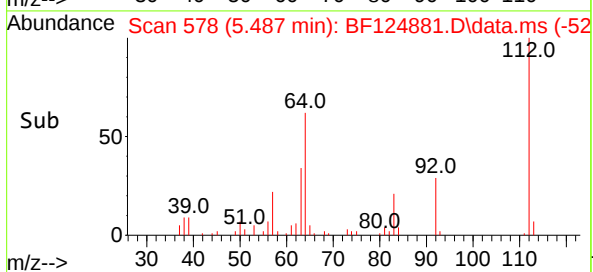
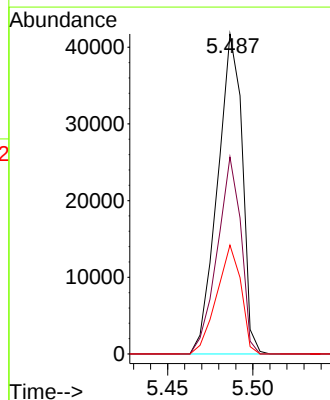
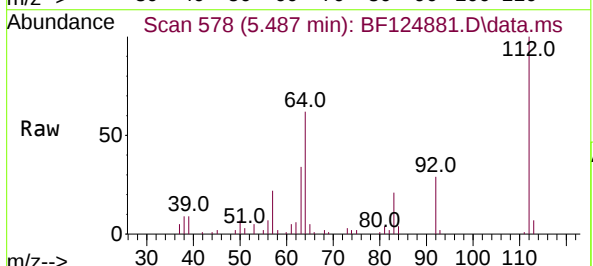
Instrument :
BNA_F
ClientSampled :
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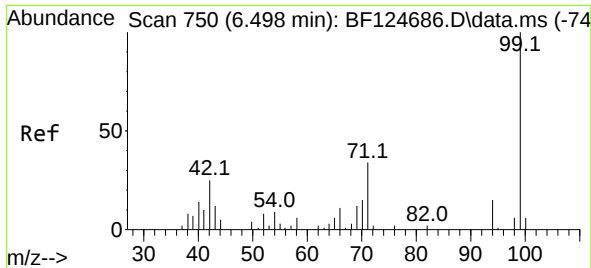
Tgt Ion:152 Resp: 6425
Ion Ratio Lower Upper
152 100
150 158.5 117.6 176.4
115 69.6 47.1 70.7



#5
2-Fluorophenol
Concen: 110.81 ng
RT: 5.487 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF124881.D
Acq: 30 Jul 2021 17:52

Tgt Ion:112 Resp: 42047
Ion Ratio Lower Upper
112 100
64 61.5 44.2 66.2
63 34.0 26.2 39.2

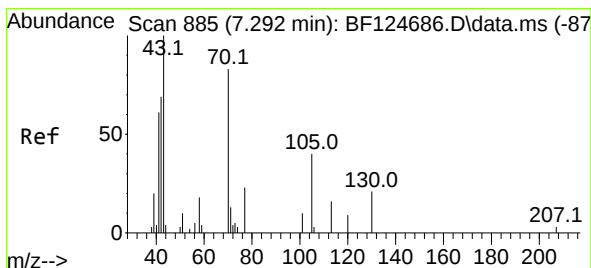
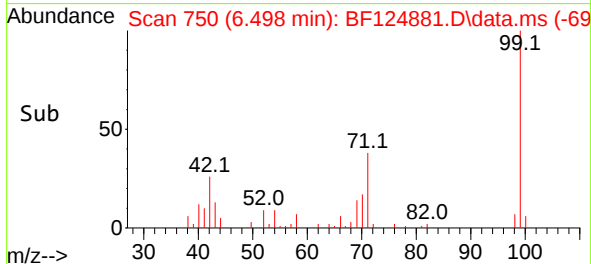
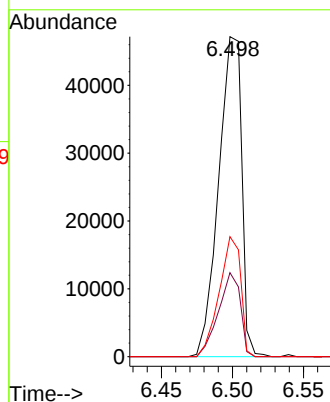
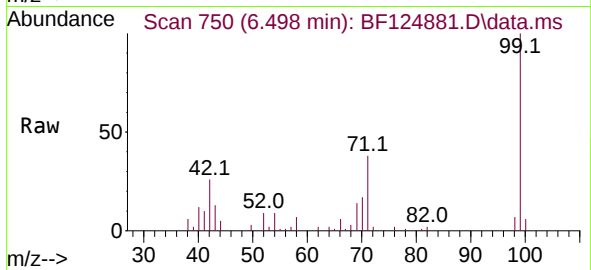




#7
Phenol-d6
Concen: 111.93 ng
RT: 6.498 min Scan# 750
Delta R.T. -0.000 min
Lab File: BF124881.D
Acq: 30 Jul 2021 17:52

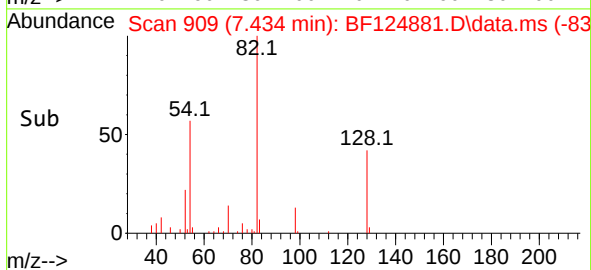
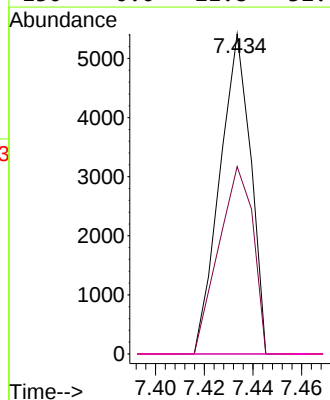
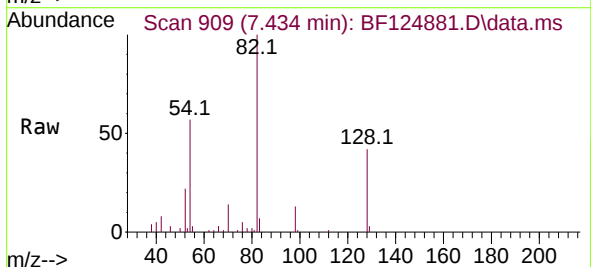
Instrument :
BNA_F
ClientSampled :
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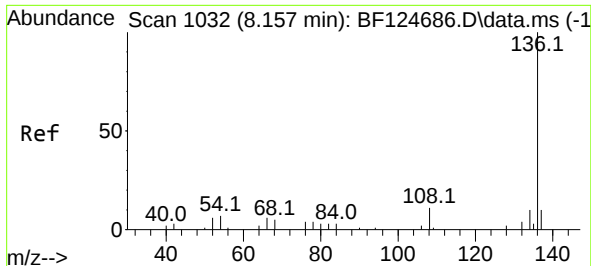
Tgt Ion:	99	Resp:	53247
Ion	Ratio	Lower	Upper
99	100		
42	26.3	23.5	35.3
71	37.5	25.6	38.4



#19
n-Nitroso-di-n-propylamine
Concen: 18.78 ng
RT: 7.434 min Scan# 909
Delta R.T. 0.141 min
Lab File: BF124881.D
Acq: 30 Jul 2021 17:52

Tgt Ion:	70	Resp:	4770
Ion	Ratio	Lower	Upper
70	100		
42	58.6	72.2	108.2#
101	0.0	7.8	11.8#
130	0.0	21.8	32.6#

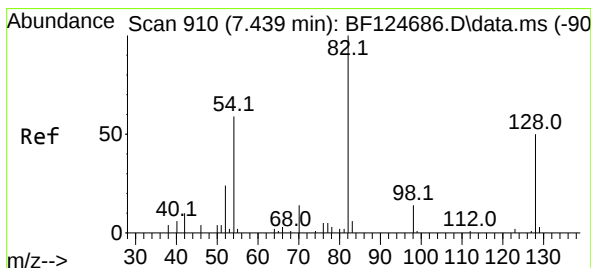
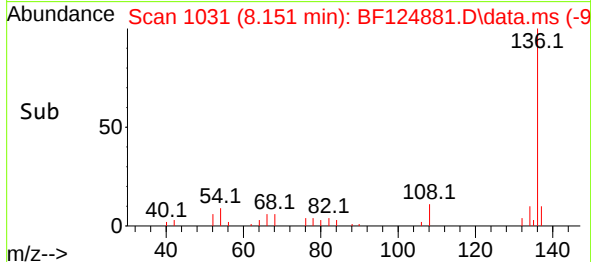
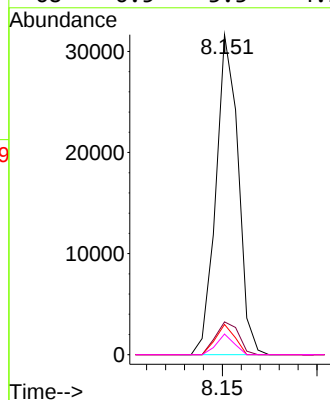
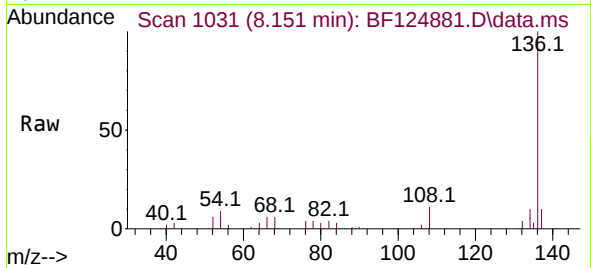




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF124881.D
Acq: 30 Jul 2021 17:52

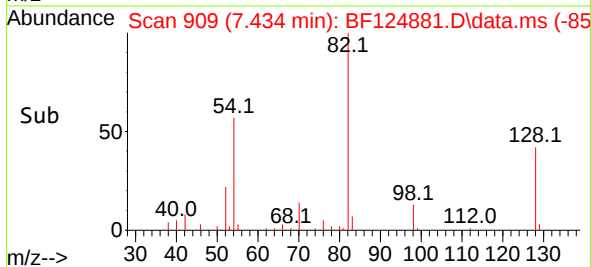
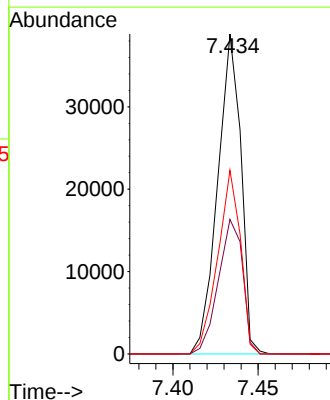
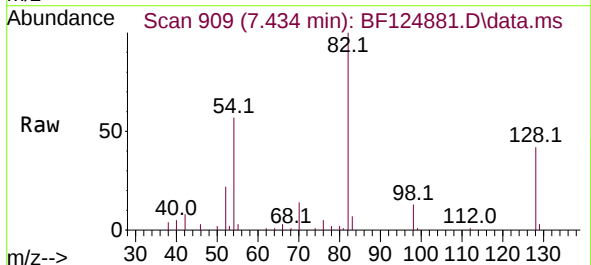
Instrument :
BNA_F
ClientSampled :
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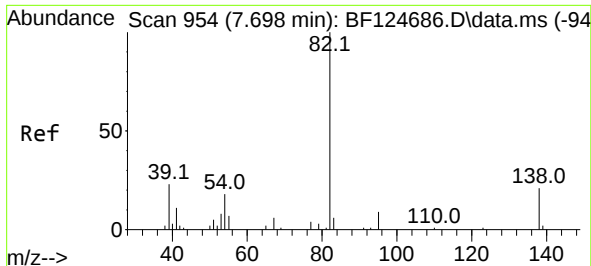
Tgt Ion:	136	Resp:	25915
Ion Ratio	Lower	Upper	
136	100		
137	10.2	9.8	14.6
54	9.5	6.4	9.6
68	6.5	3.3	4.9



#23
Nitrobenzene-d5
Concen: 84.52 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF124881.D
Acq: 30 Jul 2021 17:52

Tgt Ion:	82	Resp:	36801
Ion Ratio	Lower	Upper	
82	100		
128	42.0	40.6	60.8
54	57.4	49.6	74.4

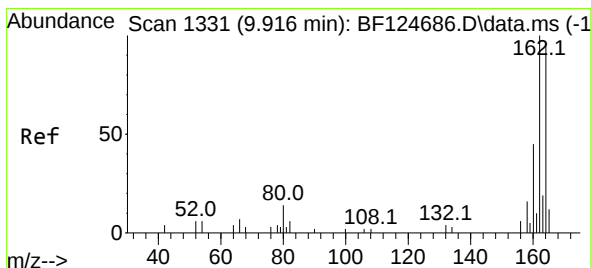
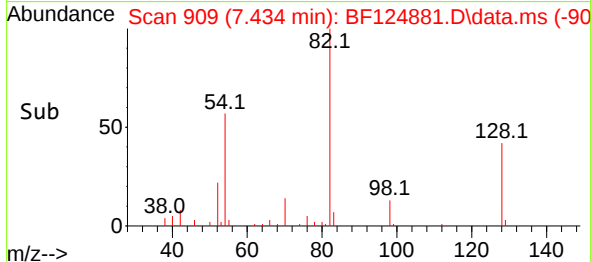
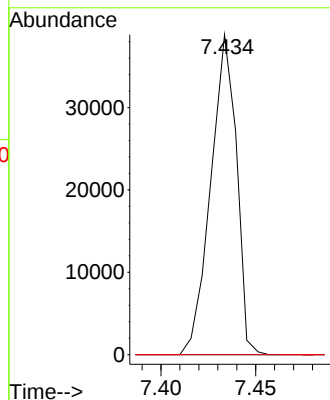
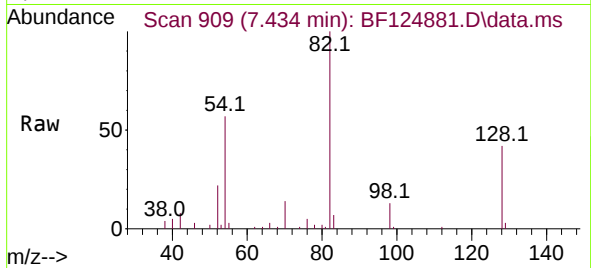




#25
Isophorone
Concen: 47.80 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.265 min
Lab File: BF124881.D
Acq: 30 Jul 2021 17:52

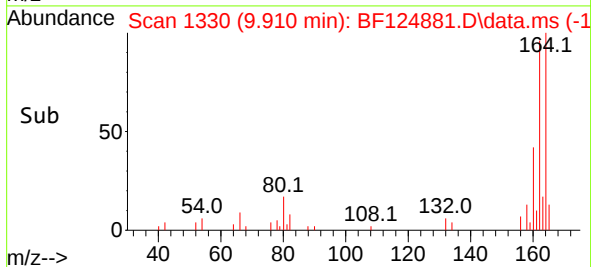
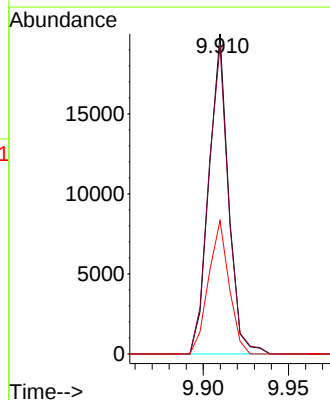
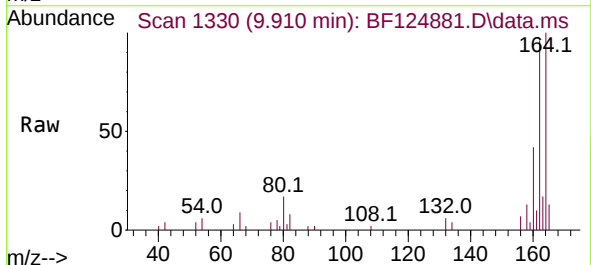
Instrument :
BNA_F
ClientSampleId :
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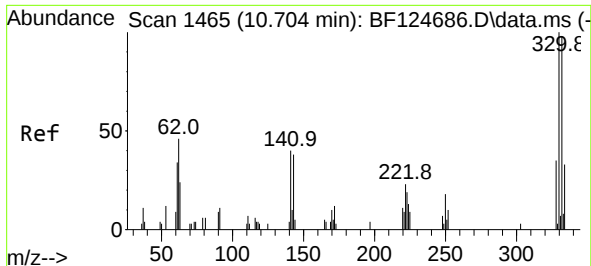
Tgt Ion: 82 Resp: 36800
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF124881.D
Acq: 30 Jul 2021 17:52

Tgt Ion: 164 Resp: 15855
Ion Ratio Lower Upper
164 100
162 96.4 81.3 121.9
160 41.7 38.0 57.0

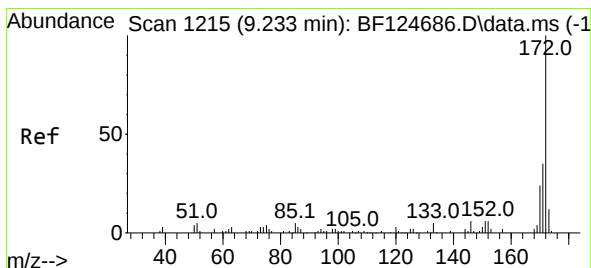
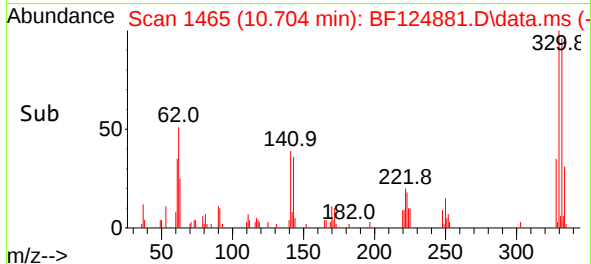
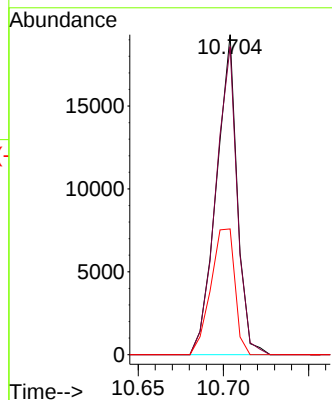
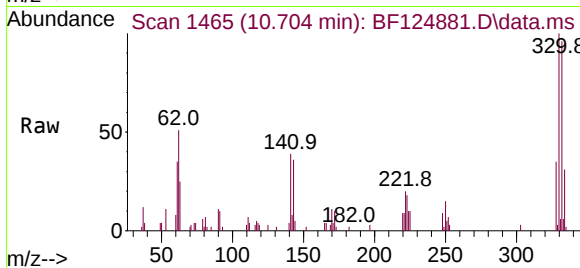




#42
2,4,6-Tribromophenol
Concen: 120.84 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.000 min
Lab File: BF124881.D
Acq: 30 Jul 2021 17:52

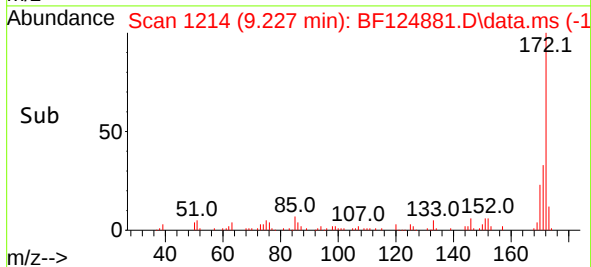
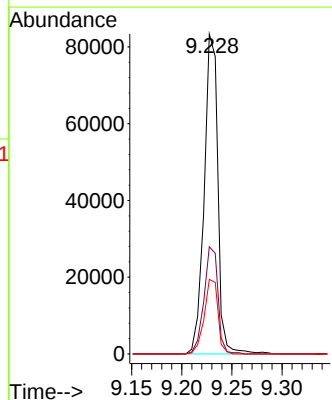
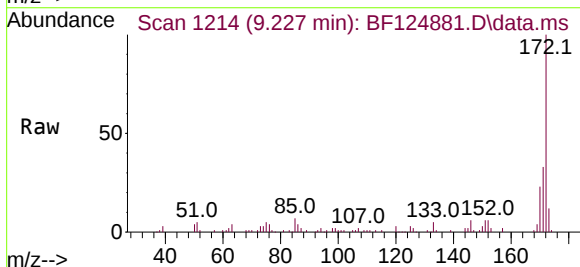
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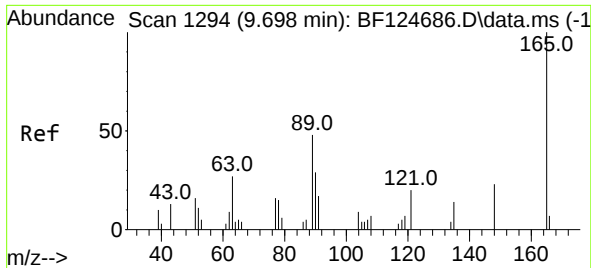
Tgt Ion: 330 Resp: 16450
Ion Ratio Lower Upper
330 100
332 98.5 76.2 114.4
141 45.2 44.6 66.8



#45
2-Fluorobiphenyl
Concen: 73.50 ng
RT: 9.227 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF124881.D
Acq: 30 Jul 2021 17:52

Tgt Ion: 172 Resp: 79347
Ion Ratio Lower Upper
172 100
171 33.5 26.5 39.7
170 23.3 18.8 28.2

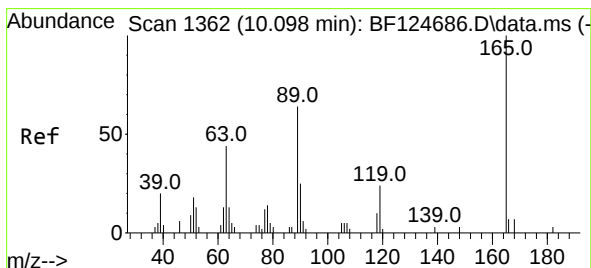
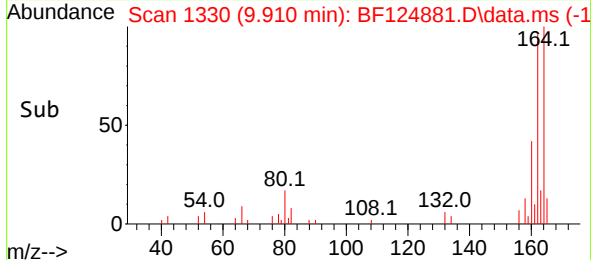
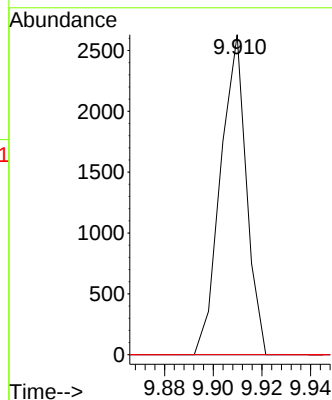
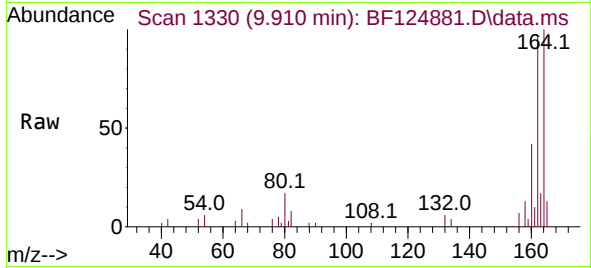




#51
2,6-Dinitrotoluene
Concen: 8.04 ng
RT: 9.910 min Scan# 1330
Delta R.T. 0.212 min
Lab File: BF124881.D
Acq: 30 Jul 2021 17:52

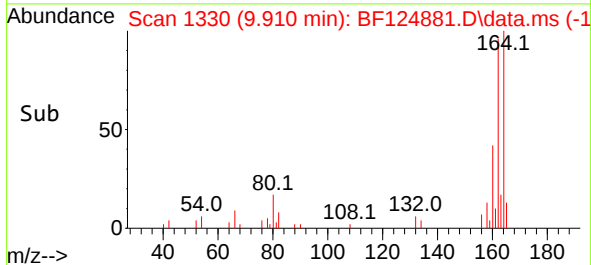
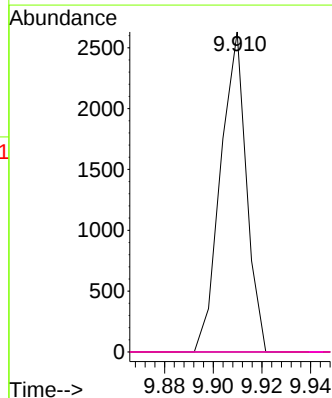
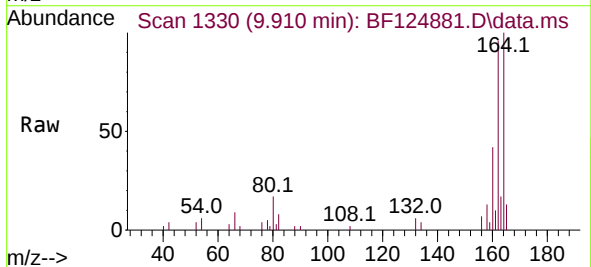
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ClientSampled :
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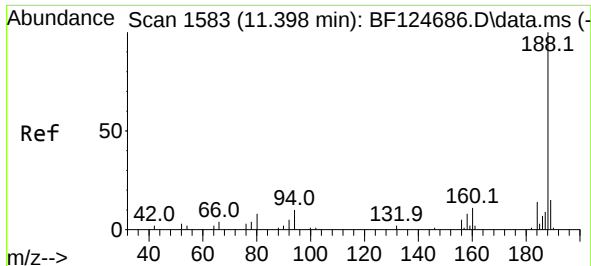
Tgt Ion:165 Resp: 1938
Ion Ratio Lower Upper
165 100
63 0.0 42.6 63.8#
89 0.0 40.6 60.8#



#57
2,4-Dinitrotoluene
Concen: 5.92 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.188 min
Lab File: BF124881.D
Acq: 30 Jul 2021 17:52

Tgt Ion:165 Resp: 1938
Ion Ratio Lower Upper
165 100
63 0.0 40.9 61.3#
89 0.0 59.7 89.5#
182 0.0 0.0 0.0

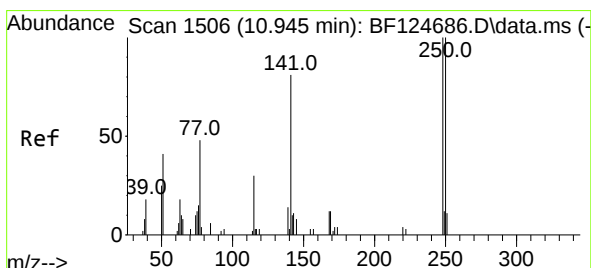
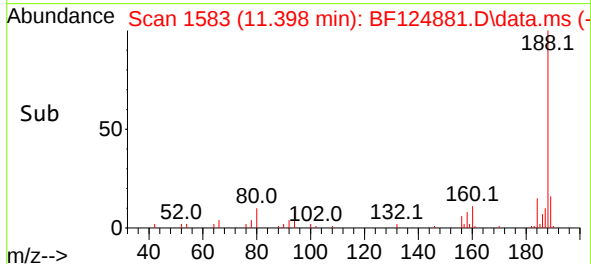
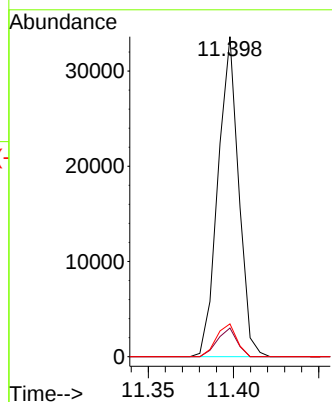
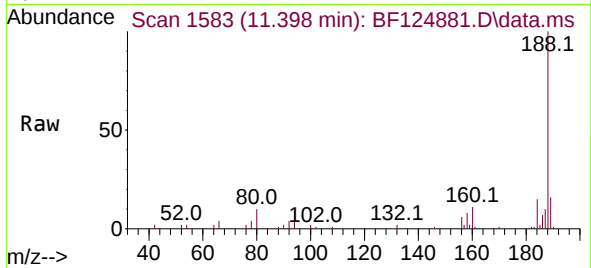




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF124881.D
Acq: 30 Jul 2021 17:52

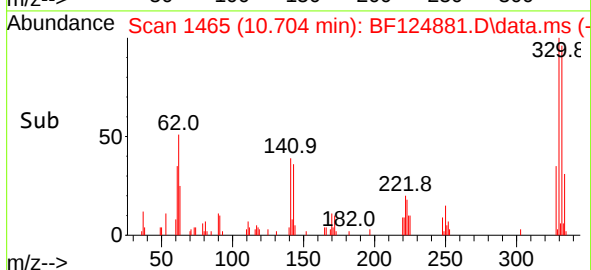
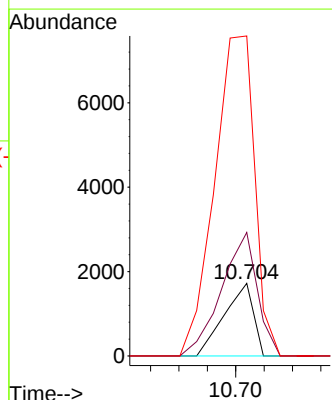
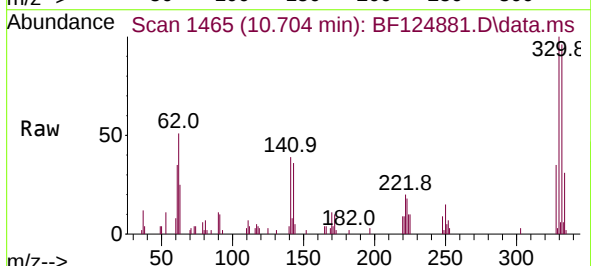
Instrument :
BNA_F
ClientSampled :
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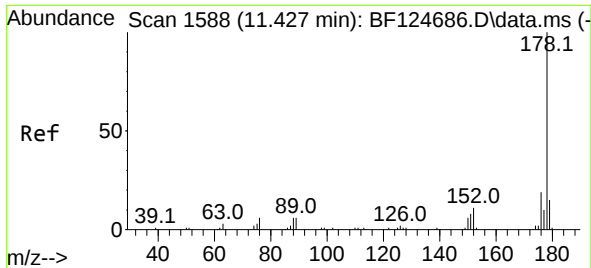
Tgt Ion:188 Resp: 28347
Ion Ratio Lower Upper
188 100
94 8.9 6.7 10.1
80 10.3 7.5 11.3



#67
4-Bromophenyl-phenylether
Concen: 4.08 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.241 min
Lab File: BF124881.D
Acq: 30 Jul 2021 17:52

Tgt Ion:248 Resp: 1228
Ion Ratio Lower Upper
248 100
250 170.3 74.2 111.4#
141 440.9 60.4 90.6#

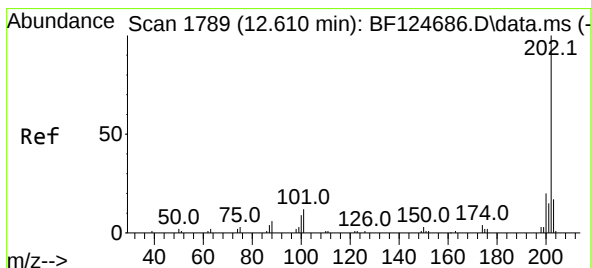
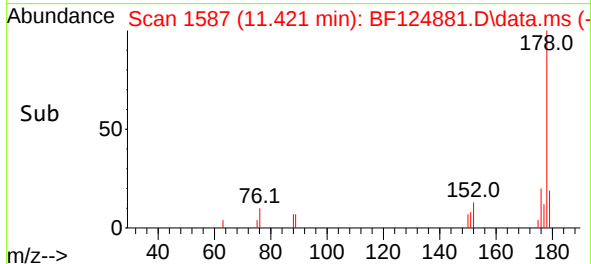
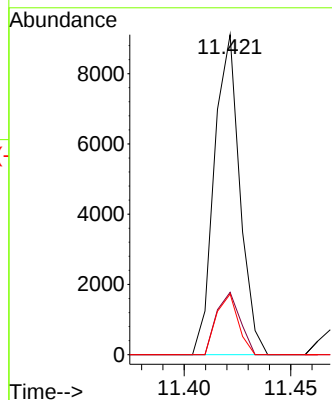
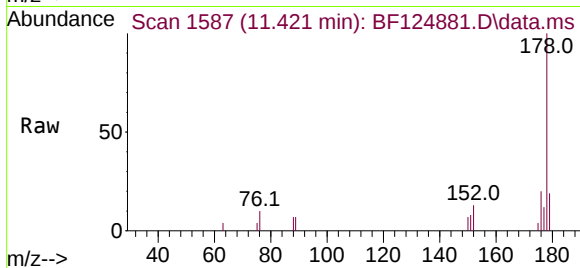




#71
Phenanthrene
Concen: 4.98 ng
RT: 11.421 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF124881.D
Acq: 30 Jul 2021 17:52

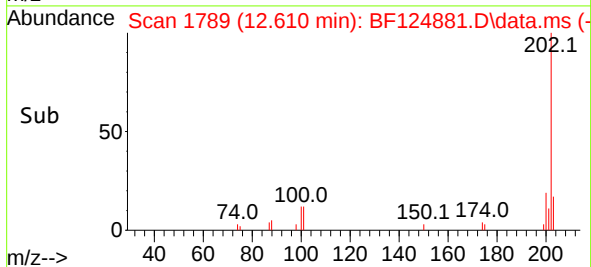
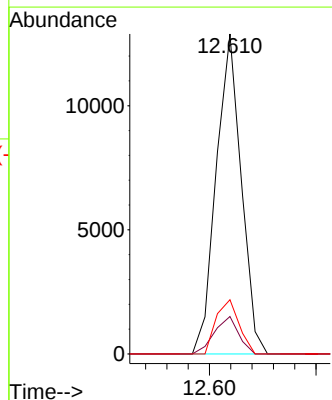
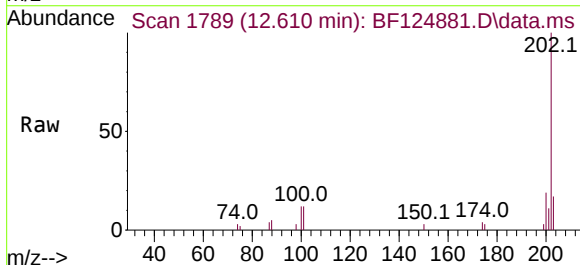
Instrument :
BNA_F
ClientSampled :
221

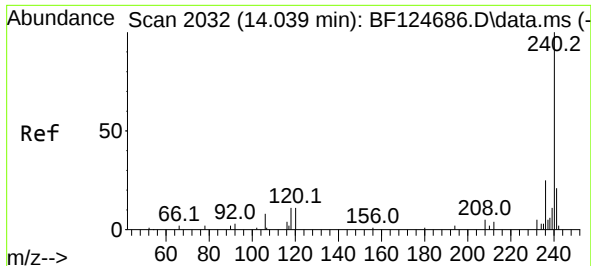
Tgt Ion:178 Resp: 7590
Ion Ratio Lower Upper
178 100
176 19.5 14.7 22.1
179 19.0 11.5 17.3#



#75
Fluoranthene
Concen: 6.76 ng
RT: 12.610 min Scan# 1789
Delta R.T. -0.000 min
Lab File: BF124881.D
Acq: 30 Jul 2021 17:52

Tgt Ion:202 Resp: 10516
Ion Ratio Lower Upper
202 100
101 11.7 0.0 30.7
203 16.9 0.0 36.3

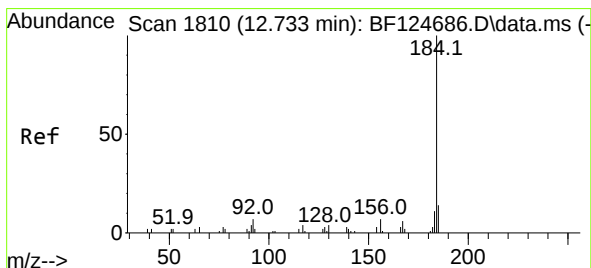
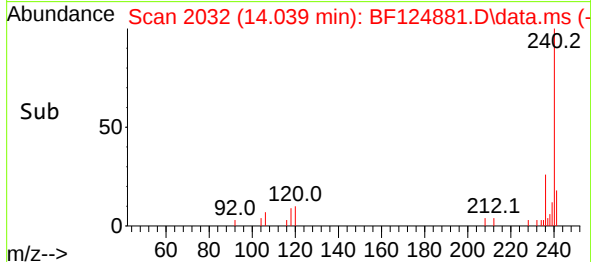
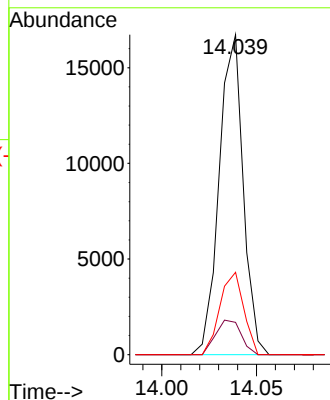
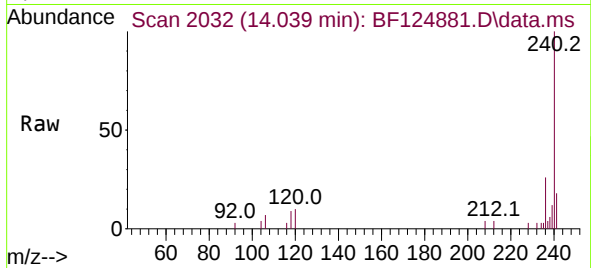




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF124881.D
Acq: 30 Jul 2021 17:52

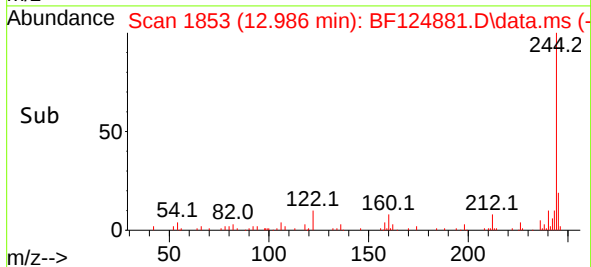
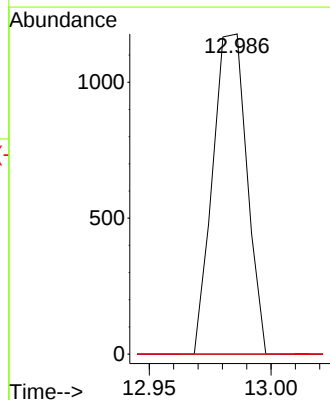
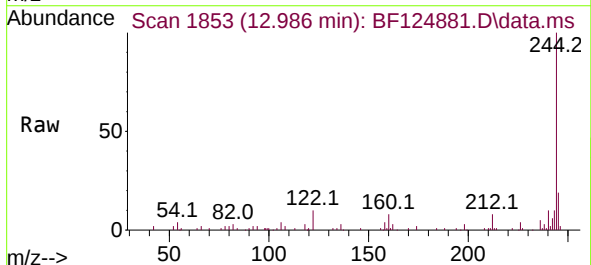
Instrument :
BNA_F
ClientSampled :
221

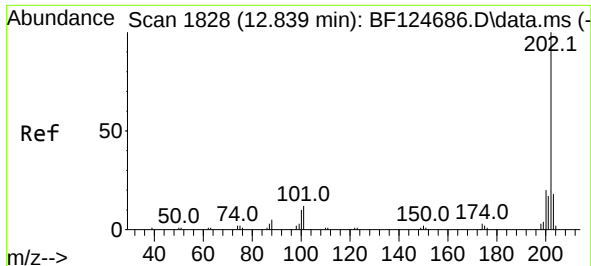
Tgt Ion:240 Resp: 14759
Ion Ratio Lower Upper
240 100
120 10.1 10.8 16.2#
236 25.8 21.6 32.4



#77
Benzidine
Concen: 2.77 ng
RT: 12.986 min Scan# 1853
Delta R.T. 0.253 min
Lab File: BF124881.D
Acq: 30 Jul 2021 17:52

Tgt Ion:184 Resp: 1153
Ion Ratio Lower Upper
184 100
185 0.0 10.8 16.2#
183 0.0 8.1 12.1#

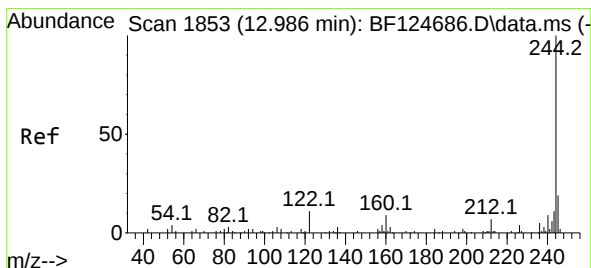
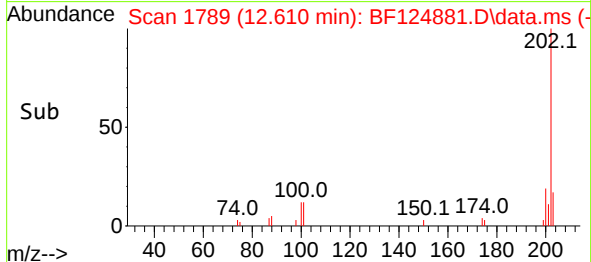
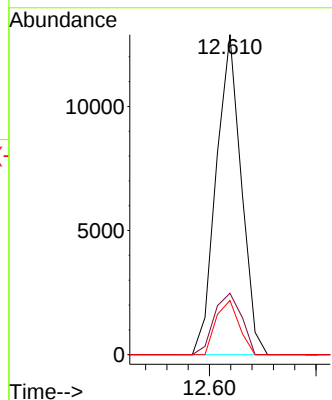
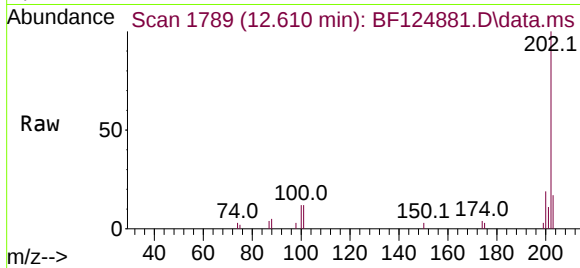




#78
Pyrene
Concen: 9.00 ng
RT: 12.610 min Scan# 1789
Delta R.T. -0.229 min
Lab File: BF124881.D
Acq: 30 Jul 2021 17:52

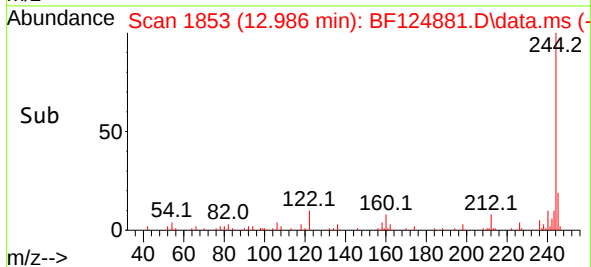
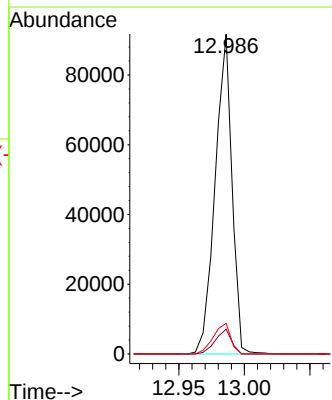
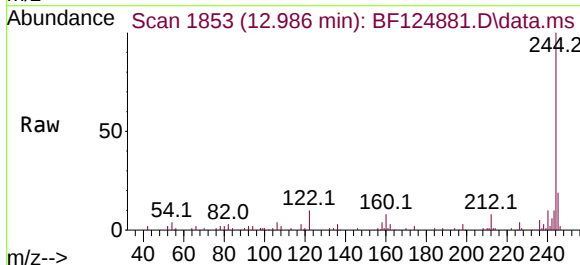
Instrument :
BNA_F
ClientSampled :
221

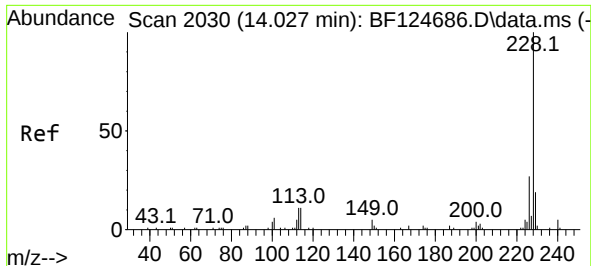
Tgt Ion:202	Resp:	10516
Ion Ratio	Lower	Upper
202	100	
200	19.2	15.3 22.9
203	16.9	13.4 20.0



#79
Terphenyl-d14
Concen: 94.85 ng
RT: 12.986 min Scan# 1853
Delta R.T. -0.000 min
Lab File: BF124881.D
Acq: 30 Jul 2021 17:52

Tgt Ion:244	Resp:	81670
Ion Ratio	Lower	Upper
244	100	
212	7.8	5.9 8.9
122	9.6	9.0 13.4

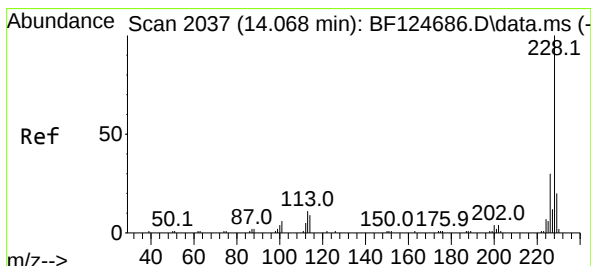
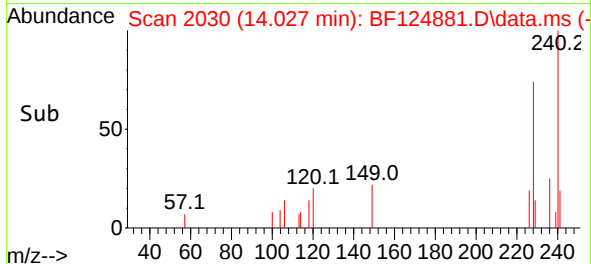
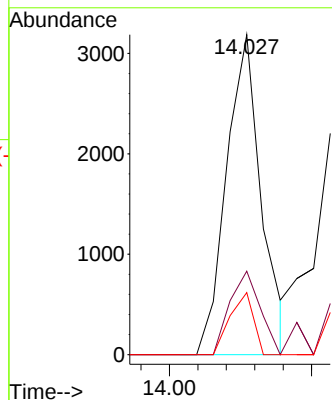
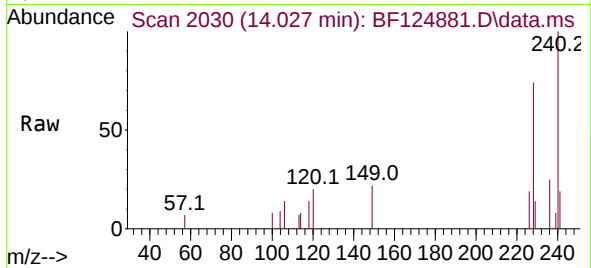




#81
Benzo(a)anthracene
Concen: 2.83 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF124881.D
Acq: 30 Jul 2021 17:52

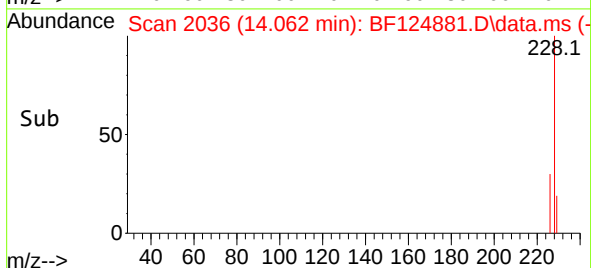
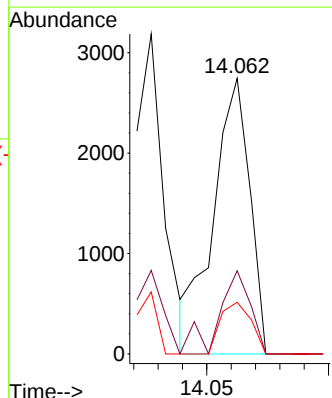
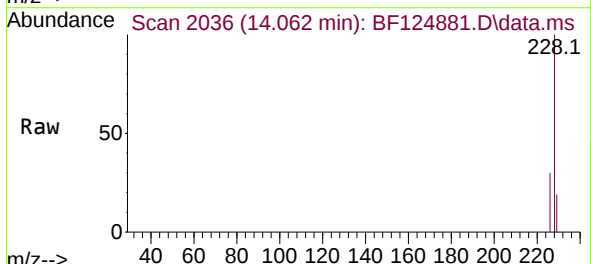
Instrument :
BNA_F
ClientSampled :
221

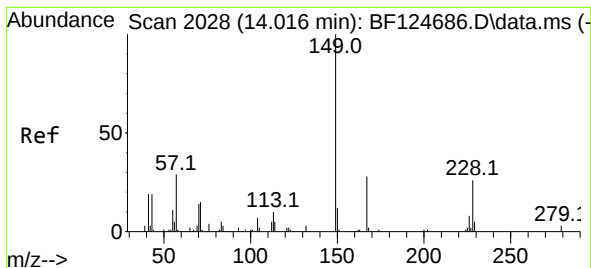
Tgt Ion:228 Resp: 2728
Ion Ratio Lower Upper
228 100
226 26.1 21.6 32.4
229 19.4 15.6 23.4



#83
Chrysene
Concen: 3.07 ng
RT: 14.062 min Scan# 2036
Delta R.T. -0.006 min
Lab File: BF124881.D
Acq: 30 Jul 2021 17:52

Tgt Ion:228 Resp: 2856
Ion Ratio Lower Upper
228 100
226 30.2 22.6 34.0
229 18.7 15.9 23.9

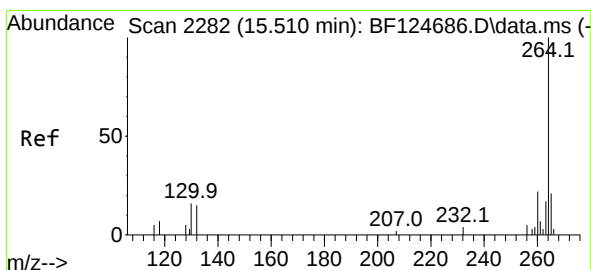
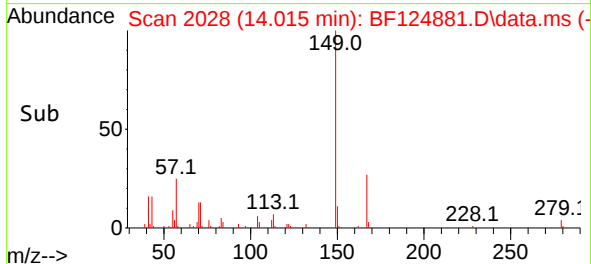
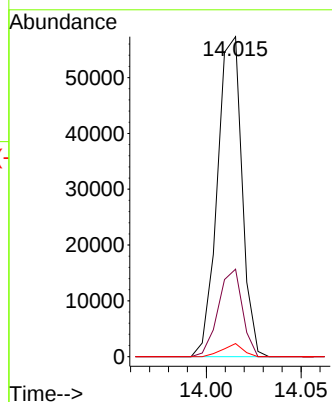
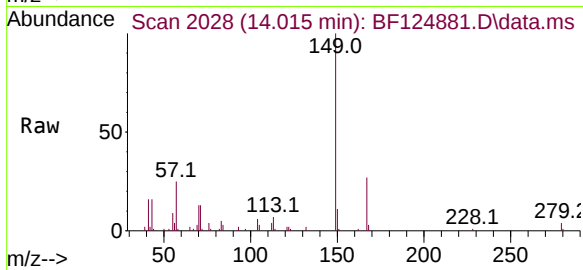




#84
Bis(2-ethylhexyl)phthalate
Concen: 62.93 ng
RT: 14.015 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF124881.D
Acq: 30 Jul 2021 17:52

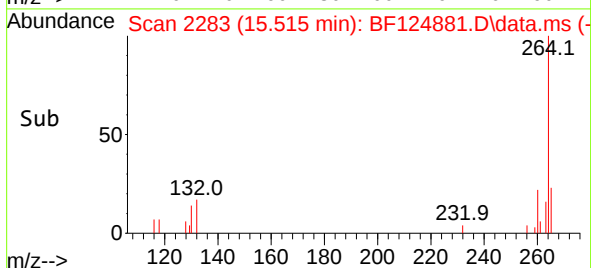
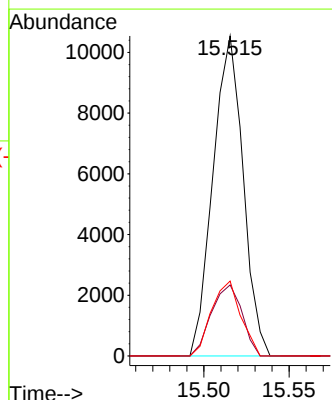
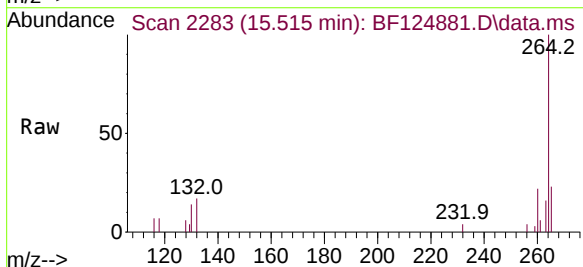
Instrument :
BNA_F
ClientSampled :
221

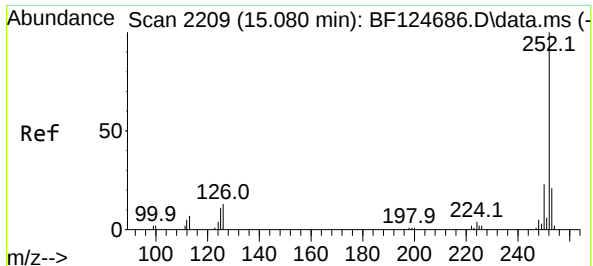
Tgt Ion:149 Resp: 51872
Ion Ratio Lower Upper
149 100
167 27.4 21.4 32.0
279 4.1 2.6 4.0#



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.515 min Scan# 2283
Delta R.T. 0.006 min
Lab File: BF124881.D
Acq: 30 Jul 2021 17:52

Tgt Ion:264 Resp: 12928
Ion Ratio Lower Upper
264 100
260 22.2 19.6 29.4
265 23.4 17.2 25.8

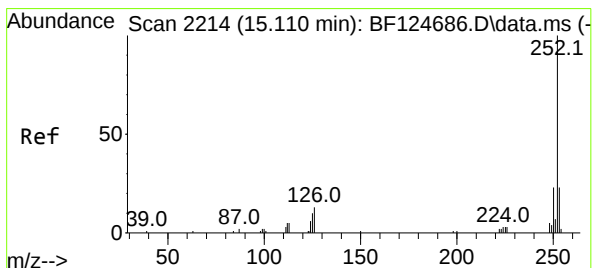
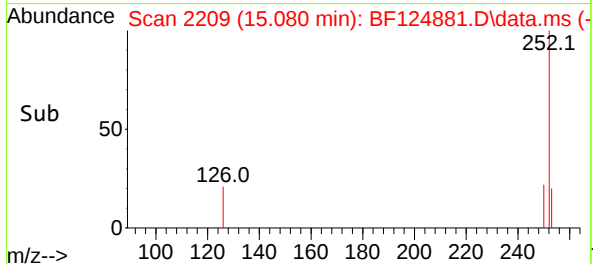
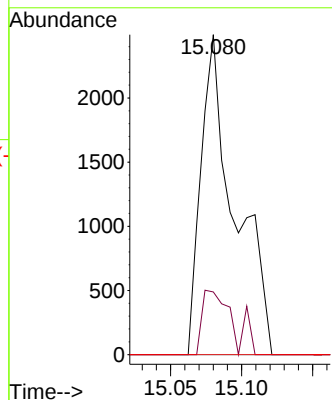
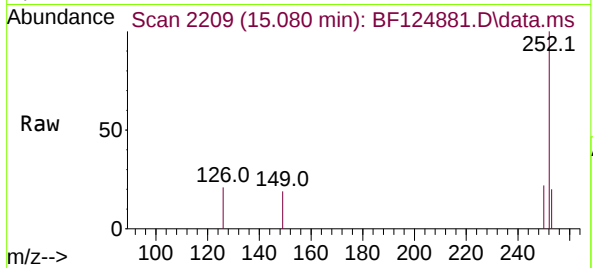




#88
Benzo(b)fluoranthene
Concen: 4.53 ng
RT: 15.080 min Scan# 2209
Delta R.T. -0.000 min
Lab File: BF124881.D
Acq: 30 Jul 2021 17:52

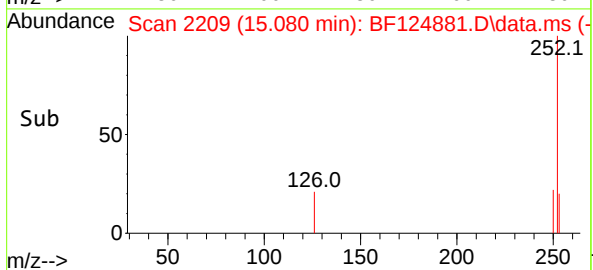
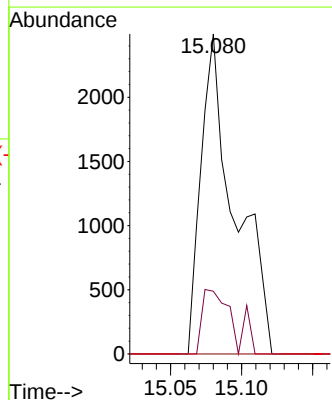
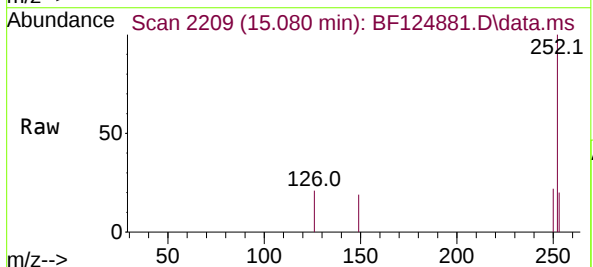
Instrument :
BNA_F
ClientSampled :
221

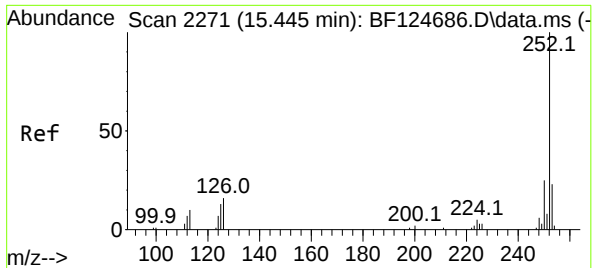
Tgt Ion:252 Resp: 4121
Ion Ratio Lower Upper
252 100
253 19.6 16.8 25.2
125 0.0 9.8 14.8#



#89
Benzo(k)fluoranthene
Concen: 4.95 ng
RT: 15.080 min Scan# 2209
Delta R.T. -0.030 min
Lab File: BF124881.D
Acq: 30 Jul 2021 17:52

Tgt Ion:252 Resp: 4121
Ion Ratio Lower Upper
252 100
253 19.6 17.8 26.8
125 0.0 7.2 10.8#





#90
Benzo(a)pyrene
Concen: 2.43 ng
RT: 15.451 min Scan# 2272
Delta R.T. 0.006 min
Lab File: BF124881.D
Acq: 30 Jul 2021 17:52

Instrument :
BNA_F
ClientSampleId :
221

Tgt Ion:252 Resp: 1844
Ion Ratio Lower Upper
252 100
253 20.7 18.4 27.6
125 0.0 9.9 14.9#

